

**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	80610	(sequence or ladder near2 (logic or diagram or program)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 11:48
S2	39901	(duplicate or "same") near4 name	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 11:49
S3	39901	S2 and S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 11:49
S4	2112	S1 and S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 11:49
S5	53	S1 same S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 11:49
S6	1993	(detect\$3 or find\$3 or search\$3) with S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 11:49
S7	138	S1 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 11:50
S8	46880	(ladder near2 (logic or diagram or program)) or (sequence near2 program)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 11:55

S9	1241	S2 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 11:55
S10	1419	(duplicate ) near4 name	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 11:56
S11	66	S8 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 11:56
S12	3660	(ladder near2 (logic or diagram or program))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:00
S13	97	S12 and S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:00
S14	83	S12 and ((signal or coil) near2 name)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:11
S15	76	S14 and (duplicate or "same")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:11
S16	22	S14 and (duplicate )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:12
S17	2	("5717588").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/17 12:15

S18	472	(duplicate ) near4 label	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:16
S20	153	(conflict\$3 or clash\$3) near4 label	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:16
S22	0	S20 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:18
S23	1	S18 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:18
S24	1724	(conflict\$3 or clash\$3) near4 name	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:19
S25	121	(conflict\$3 or clash\$3) near4 symbol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:19
S26	10	S24 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:19
S27	0	S25 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:19
S28	654	(duplicate ) near4 symbol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:19

S29	0	S28 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:19
S30	115218	("same" near3 (label or symbol or name))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:31
S31	37530	((multiple or conflict \$3 or different) near4 (meaning or definition))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:31
S32	1	S12 and (S30 same S31)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:32
S33	29	S12 and (S30 and S31)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 12:32
S34	877	(duplicated ) near4 (name or label or symbol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 13:16
S35	4	S12 and S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 13:16
S36	83	duplicate near1 coil	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 13:36
S37	0	S12 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 13:37

S38	205	(duplicated ) near4 (tag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 15:09
S39	745	(duplicate ) near4 (tag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 15:09
S40	46880	(ladder near2 (logic or diagram or program)) or (sequence near2 program)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 15:09
S41	19	S39 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 15:09
S42	3921	double near1 coil	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 15:30
S43	17	S40 and S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 15:30
S44	8	check\$3 with S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 15:38
S45	2101	plc near3 (program or programming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 16:39
S46	12185	(duplicat\$2 ) near4 (error or coil or signal or name or label or symbol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 16:40

S47	29	S45 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/17 16:40
S48	53118	(double or duplicate) near3 (coil or name or reference or signal or symbol or label)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 08:46
S49	5499	S48 with (detect\$3 or discover\$3 or fix\$3 or correct\$3 or replac\$3 or rewrīt\$3 or renam \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 08:47
S50	46916	(ladder near2 (logic or diagram or program)) or (sequence near2 program)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 08:48
S51	100	S50 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 08:48
S52	3661	(ladder near2 (logic or diagram or program))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 08:49
S53	4	S52 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 08:49
S54	62	S52 and S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 08:55
S55	109	S49 and (plc or (programmable near2 controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 08:59

S56	1949	S48 with ( fix\$3 or correct\$3 or replac\$3 or rewrit\$3 or renam \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:00
S57	28	S56 and (plc or (programmable near2 controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:00
S58	3	S52 and S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:01
S59	4936	(double or duplicate) near3 (address)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:14
S60	11	S52 and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:14
S61	171	S59 and (plc or (programmable near2 controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:18
S62	5	(S59 with error) and (plc or (programmable near2 controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:18
S63	86566	(search\$3 or assign\$4 or reassign\$4 or replac \$3 or rewrit\$3) near4 (address)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:19
S64	321	S52 and S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:20

S65	18	S64 and S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:20
S66	2	("6854111").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/18 10:46
S67	12	("5448740"   "5485620"   "5576946"   "5594858"   "5611059"   "5801942"   "5812394"   "5822206"   "6161051"   "6237004"   "6546297").PN. OR ("6854111").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 10:47
S68	6	S67 and (duplicat\$3 or double)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 10:47
S69	389	renam\$3 same duplicat \$3	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 11:03
S70	46916	(ladder near2 (logic or diagram or program)) or (sequence near2 program)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:04
S71	19	S69 and S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:04
S72	3	(ladder near2 (logic or diagram or program)) and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:06
S73	13746	(reassign\$3 or replac \$3 or rewrit\$4) same duplicat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 11:06
S74	3661	(ladder near2 (logic or diagram or program))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:06



S75	13	S73 and S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:06
S76	6	("5812394"   "5822206"   "5950006"   "6154684"   "6161051").PN. OR ("6850808").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 11:14
S77	3	S76 and (duplicat\$3 or double)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 11:14
S78	8	("5812394"   "5822206"   "5950006"   "6154684"   "6161051"   "6449624").PN. OR ("6947798").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 11:15
S79	6	S78 and (duplicat\$3 or double)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 11:15
S80	305	S73 and (plc or (programmable near2 controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:16
S81	50	(S73 same (name or symbol or label or variable or coil or signal)) and (plc or (programmable near2 controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:17
S82	2	("5781776").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/18 11:21
S83	472	(reassign\$3 or replac \$3 or rewrit\$4) same duplicat\$3 same ((select\$3 or choos\$3) with duplicat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 11:22
S84	39	S83 and S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:23

S85	914	(table or list) with ((double or duplicate) near3 (coil or name or reference or signal or symbol or label))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:37
S86	17	(reassign\$3 or replac \$3 or rewrit\$4) same S85	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 11:38
S87	17	(reassign\$3 or replac \$3 or rewrit\$4) same S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:40
S88	1	S85 and S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:40
S89	15	S85 and (plc or (programmable near2 controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:41
S90	182	(select\$3 or choos\$3) same S85	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 11:43
S91	9	(resolv\$3) same S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 11:44
S92	3661	(ladder near2 (logic or diagram or program))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:11
S93	4	S92 and (("same" near3 (label or symbol or name)) same ("multiple" or conflict \$3 or different) near4 (meaning or definition or coil or signal)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:11

S94	5	S92 and (((duplicate or "same") with (label or symbol or name)) same ("multiple" or conflict\$3 or different) near4 (meaning or definition or coil or signal)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:14
S95	1541	((plc or (programmable near2 controller)) near3 programming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:15
S96	2	S95 and (("same" near3 (label or symbol or name)) same ("multiple" or conflict\$3 or different) near4 (meaning or definition or coil or signal)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:15
S97	2	S95 and (((duplicate or "same") with (label or symbol or name)) same ("multiple" or conflict\$3 or different) near4 (meaning or definition or coil or signal)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:16
S98	2	("5613115").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/19 08:19
S99	1	S95 and (duplicate with error)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:28
S100	1	S92 and (duplicate with error)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:28
S101	1	S95 and (duplicate same error)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:28

S102	182	S92 and (duplicate sameerror)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:28
S103	17	S92 and (duplicate same error)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 08:28
S104	20	ladder near3 compiler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 09:06
S105	1	S104 and (duplicate )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/19 09:07

**3/19/2008 12:11:18 PM**

**C:\Documents and Settings\jwang4\My Documents\EAST\Workspaces\10826322-amendment.wsp**